

GLIDER TRACKING VIDEO  
500KM TRIANGLE AND RETURN LEG THROUGH TRONA GAP

September 8, 2021

The attached glider tracking video shows a cross country practice 500km triangle on September 8, 2021. Gliders departed Mountain Valley airport (Tehachapi, CA), making turnpoints in the Sierras at Taboose Pass followed by Telescope Peak just SW of Death Valley. Three of these gliders crossing the proposed R-2511 "Trona Gap" airspace are shown in a video. The label at the bottom shows a variety of parameters including time, altitude and ground speed. Altitudes are feet msl, time to cross R-2511 in minutes.

Pilot	Glider	Label	Enter Alt	Exit Alt	Max Alt	Time
Walter Rogers	Discus 2a	WX	11,397	14,101	15,039	11
Chris Dowell	ASW-27	CBB	12,889	13,096	14,405	9
Jim Staniforth	ASH-31mi	ASH-31Mi	13,339	14,222	14,405	10
Dan Rihn	ASH-31mi	7DR	13,378	11,900	13,378	6

Notice that the longest dwell time in the proposed R-2511 was 11 minutes due to "WX" climbing in a thermal to 15,039 msl. The shortest time for "7DR" was 6 minutes.

Raising the R-2511 lower boundary to 14,000 ft msl would allow a safe altitude transition for gliders through the "Trona Gap". The only safe landable sites are Trona, Inyokern and California City (note that Tera airport shown on the map is abandoned and no longer landable).

Overview Image of 500km Triangle:

[https://www.dropbox.com/s/8tcxavtxp8ufq0/  
GliderTracks\\_500km\\_Triangle\\_Tehachapi\\_TaboosePass\\_TelescopePk\\_Sep08\\_2021.jpg?dl=0](https://www.dropbox.com/s/8tcxavtxp8ufq0/GliderTracks_500km_Triangle_Tehachapi_TaboosePass_TelescopePk_Sep08_2021.jpg?dl=0)

Tracking Video:

[https://www.dropbox.com/s/eez718gd8d2vfqv/  
GliderTrackingVideo\\_500km\\_Triangle\\_Sep08\\_2021.mp4?dl=0](https://www.dropbox.com/s/eez718gd8d2vfqv/GliderTrackingVideo_500km_Triangle_Sep08_2021.mp4?dl=0)

Walter Rogers  
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